

Abstract

A passenger ingress and egress system within a transit vehicle having a stairwell employs a movable platform apparatus in combination with at least one door of a sliding or plug type to accommodate variations in passenger ingress and egress platform facilities. The movable platform apparatus disposed under the floor section of the transit vehicle for interface with the low platform is deployed outwardly toward the outer surface of the transit vehicle for interface with the high platform. The travel of such movable platform apparatus can be achieved manually or assisted by a power drive mechanism. A locking means is provided for securing such movable platform apparatus at both deployed and stowed positions and can be manually overridden via a cable connected to the remotely mounted handle. Obstruction detection means is further provided to prevent deployment of the movable platform apparatus upon passenger presence within the stairwell. Provisions are incorporated to meet American with Disability Act regulations in respect to the vertical displacement between the movable platform apparatus and the floor section of the transit vehicle.